

WHAT IS CLAIMED IS:

1. A method of manufacturing a titanium oxide powder, comprising:
mixing a titanium oxide powder, a solvent and a barium-containing material soluble in the solvent to prepare a titanium oxide slurry;
removing the solvent from the slurry; and
heating the solvent-free mixture so that a barium compound is present on the surfaces of the titanium oxide powder particles.
2. A method of manufacturing a titanium oxide powder according to Claim 1, wherein the barium compound on the surfaces of the particles in the heating step has a thickness of about 3 to 30 nm.
3. A method of manufacturing a titanium oxide powder according to Claim 1, wherein the barium compound on the surfaces of the particles in the heating step has a thickness of about 5 to 15 nm.
4. A method of manufacturing a titanium oxide powder according to claim 1, wherein said heating is at a temperature of about 150°C or less.
5. A method of manufacturing a titanium oxide powder according to claim 1, wherein said heating is at a temperature of about 150-600°C.
6. A method of manufacturing a titanium oxide powder according to claim 1, wherein said heating is at a temperature of about 600°C or more.
7. A method of manufacturing a barium titanate powder according to claim 1, further comprising calcining the powder mixture.

8. A method of manufacturing a barium titanate powder according to Claim 7, wherein the barium content of the titanium oxide powder is in the range of 0.001 to 0.1 mol per mol of titanium.

9. A method of manufacturing a barium titanate powder according to Claim 7, wherein the titanium oxide powder has a specific surface area of about 5 m²/g or more.

10. A method of manufacturing a barium titanate powder according to Claim 7, wherein the titanium oxide powder has a specific surface area of about 10 m²/g or more.

11. A method of manufacturing a barium titanate powder according to Claim 10, wherein the barium compound on the surfaces of the particles in the heating step has a thickness of about 3 to 30 nm.

12. A method of manufacturing a barium titanate powder according to Claim 11, wherein the barium compound on the surfaces of the particles in the heating step has a thickness of about 5 to 15 nm.

13. A method of manufacturing a barium titanate powder according to claim 12, wherein said heating is at a temperature of about 150°C or less.

14. A method of manufacturing a barium titanate powder according to claim 12, wherein said heating is at a temperature of about 150-600°C.

15. A method of manufacturing a barium titanate powder according to claim 12, wherein said heating is at a temperature of about 600°C or more.